OIP	E					
In place of U.S. DEPARTMENT OF COMMERCE HTO-1449 8 2005 ABENT AND TRADEMARK OFFICE				Complete if Known		
	到			Application Number	10/797,344	
MEO	RMSTION	DISCLO	SURE	Filing Date	March 10, 2004	
STA	RMATION !	APPL	ICANT	Applicant(s)	McAnalley et al.	
	se as many sheel			Art Unit	1654 1655	
				Examiner Name	Unknown	
SHEET	1	of	1	Attorney Docket Number	23100.64	
	<u></u>			A TRACE OF STATE STATE AND ASSESSED.		

	U. S. PATENT DOCUMENTS						
Examiner's Initials	Cite No.	Document Number	Publication Date:	Name of Patentee or Applicant of Cited Document			
	-			·			
		·					

		F	OREIGN PATENT	DOCUMENTS	
Examiner's Initials	Cite No.	Foreign Patent Document (Country Code - Number - King)	Publication Date	Patentee or Applicant of Cited Document	Translation ,
		JP1995113001A	5/2/1995		Yes
ma	1				
•					
			_		

	OTHER PRIOR ART
Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item, date, page(s), volume- issue number(s), publisher, city/country where published
	Beran, K. et al. Ceskoslov. mikrobiol. (1956), 1: 193-203. Saccharification of starch in potato mash with fungus amylolytic preparations.
	Kato, T. et al., Jozo Kyokai Zasshi (1964), 59(5): 431-4. Soybean huli. II. Hydrolyzate of soybean huli prepared by using cellulose. Abstract.
·	
_	

Signature Considered 1905005	Examiner Signature	Sichele	(1. Fland.	··	Date Considered	9/26/2005
------------------------------	-----------------------	---------	------------	----	--------------------	-----------

In place of PTO-1449 Form			ARK OFFICE		Complete if Known
		- 1 .	n 8 2005 🖔	Application Numbers	10/797,344
INF	DRMATION	DISCLO	SURE	Ping Pales	March 10, 2004
STA	TEMENT B	Y APK	ICANT &	Applicants -	McAnalley et al.
. (use as many she	ets as neces	THADENARY.	AULITY CONTRACTOR	1654
				Faunalyane	- Unknown 655
SHEET	1	of	3	Altomey Docket Number	23100.64

	U. S. PATENT DOCUMENTS					
Examiners,	Cler No.4	Document Numbers	Publication Dates	Name of Bateniee of Applicantiol Cited (Pocument)		
	-					
			-			
	ļ					
	.					
		L	l			

			FOREIGN PATENT		
Examinars Selnitais at	KCIB; No ic	to / Libocument / Lib	Phiblication Date:	W.Patenteeror Applicant of Crieds	THE THRIS LINE
	-C7 LOSS 742	eset (County Cous Saution Service)			MARINE MA

	OTHER PRIOR ART
xammers 7 (Cit	Ancide name of the ray to (in) CAR (IA) TETTERS), to the carbon to entire of the initial states of the carbon to t
\mathcal{W}	Aloe Vera Research – Author unknown, Date of publication, if any, unknown.
	Alton, G et al., Direct utilization of mannose for mammalian glycoprotein biosynthesis, Glycobiology, vol. 8, no. 3, 1998, pages 285-295.
	Bond, A et al., Distinct Oligosaccharide Content of Rheumatoid Arthritis-Derived Immune Complexes, Arthritis & Rheumatism, Vol. 38, No. 6, 1995, pages 744-749.
	Bond, A et al., The relationship between exposed galactose and N-acetylglucosamine residues on IgG in rheumatoid arthritis (RA), juvenile chronic arthritis (JCA) and Sjögren's syndrome (SS) Clin exp Immunol (1996); Vol. 105, pages 99-103.
	Boulc, P et al., Plant Sterols and Sterolins: A Review of Their Immune-Modulating Properties, Alternative Medicine Review, Vol. 4, No. 3, 1999, pages 170-177.
	Chinnah, A et al., Antigen dependent adjuvant activity of a polydispersed β-(1,4)-linked acetylated mannan (acemannan), Vaccine, Vol. 10, No. 8, 1992, Pages 551-557.
4	Clamp, J R et al., Study of the Carbohydrate Content of Mucus Glycoproteins from Normal and Diseased

Examiner Signature	Ddilhele 1. Hard	Date Considered	9/26/2015
U.g. Id Lai	4 1111111111111111111111111111111111111	Considered	7 2/2000.

In place of PTO-1449 Form			F COMMERCE MARK OFFICE	Complete if Known
				Application Numbers 25 10/797,344
INFO	RMATION D	DISCLO	SURE	March 10, 2004
STA	TEMENT BY	APPL	ICANT	Applicant(5) Applicant(5) McAnalley et al.
(4	se as many sheets	as neces	sary)	Art Unit 4664 655
				Examine: Name Unknown
SHEET	2	of	3	Altomey Docket Number 23100.64

		OTHER PRIOR ART
Examiners	a Cite	Punctude name of the author the CARITAL REINERS will elogibe a ticle author the item date page (s) volume
Initials	No.	acceptance of the control of the con
1		Cuddihy, J et al., The Presence of Total Polysaccharides in Sugar Production and Methods for Reducing Their
1mc+	1	Negative Effects, Midland Research Laboratories, Inc.; date of publication, if any, unknown.
		Davis, R, Polysaccharide: The Magic Bullet, Inside Aloe
l i		
		Djeraba, A et al., In vivo macrophage activation in chickens with Acemannan, a complex carbohydrate
	l	extracted from Aloe vera, International Journal of Immunopharmacology, Vol. 22 (2000), pages 365-372.
		Dwek, R A, Glycobiology: The function of sugar in the IgG molecule, Anat., Vol. 187 (1995), pages 279-292.
		Edwards, C A et al., Viscosity of food gums determined in vitro related to their hypoglycemic actions. Am J Clin
l I	i	Nutr Vol. 46 (1987), pages 72-77.
		Ercan, N, Effects of Glucose, Galactose, and Lactose Ingestion on the Plasma Glucose and Insulin Response
1 1	1	in Persons With Non-Insulin-Dependent Diabetes Mellitus, Metabolism, Vol. 42, No. 12 (1993), pages 1560-
	<u>L</u>	1567.
		Feizi, T, Significance of carbohydrate components of cell surfaces, Autoimmunity and autoimmune disease,
		Wiley, Chichester (Ciba Foundation Symposium 129); (1987), pages 43-58.
		Fukuda, M et al., Molecular Glycobiology, Oxford University Press, pages 1-52.
		Ghoneum, M, Anti-HIV Activity in Vitro of MGN-3, an Activated Arabinoxylane from Rice Bran, Biochemical and
1]		Biophysical Research Communications, Vol. 243 (1998), pages 25-29.
		Hakomori, S, Aberrant Glycosylation in Cancer Cell Membranes as Focused on Glycolipids: Overview and
		Perspectives, Cancer Research, Vol. 45 (1985), pages 2405-2414.
		Hara, H et al., Ingestion of Guar Gum Hydrolysate, a Soluble Fiber, Increase Calcium Absorption in Totally
	<u> </u>	Gastrectomized Rats, J. Nutr., Vol. 129 (1999), pages 39-45.
	İ	Haydu, C et al., Medical Attributes of Aloe vera - The Aloe Plant, Wilkes University (1997), pages 1-8.
		Ikegaml, S et al., Viscous Indigestible Polysaccharides Reduce Accumulation of Pentachlorobenzene in Rats,
		J. Nutr., Vol. 124 (1994), pages 754-760.
		Kahlon, J et al., Inhibition of AIDS virus replication by Acemannan in vitro, Mol. Biother., Vol. 3 (1991), pages
		127-135.
1 1	,	Kelly, G., Larch Arabinogalactan: Clinical Relevance of a Novel Immune-Enhancing Polysaccharide, Altern
<u> </u>	<u> </u>	Med Rev, Vol. 4, No. 2 (1999), pages 96-103.
! !		Kidd, P, The Use of Mushroom Glucans and Proteoglycans in Cancer Treatment, Altem Med Rev, Vol. 5, No. 1
J	ļ	(2000), pages 4-27.
i I	į.	Knopp, R et al., Long-Term Blood Cholesterol-Lowering Effects of a Dietary Fiber Supplement, Am J Prev Med,
	<u> </u>	Vol. 17, No. 1 (1999), pages 18-23.
1 1		Landin, K et al., Low blood pressure and blood glucose levels in Alzheimer's disease Evidence for a
 	ļ	hypometablic disorder? J Intem Med, Vol 233 (1993), pages 357-363.
]	1	Leclère, C et al., Role of viscous guar gums in lowering the glycemic response after a solid meal, Am J Clin
 	 	Nutr, Vol. 59 (1994), pages 914-21. Malhotra, R et al., Glycosylation changes of IgG associated with meumatoic arthritis can activate complement
		via mannose-binding protein, Nature Medicine, Vol. 1, No. 3 (1995), pages 237-243.
	 	Matsuda, K et al., Inhibitory Effects of Sialic Acid- or N-Acetylglucosamine-Specific Lectins on Histamine
		Release Induced by Compound 48/80, Bradykinin and a Polyethylenimine in Rat Peritoneal Mast Cells, J.
1 1		Pharmacoi, Vol. 64 (1994) pages 1-8.
		Olszewski, A et al., Plasma glucosamine and galactosamine in ischemic heart disease, Atherosclerosis, Vol. 82
1 1		(1990), pages 75-83.
	 	Overton, P D et al., The effects of dietary sugar-beet fibre and guar gum on lipid metabolism in Wistar rats,
	j	British Journal of Nutrition, Vol. 72 (1994), pages 385-395.
27	1	Pelley, R, The Story of Aloe Polysaccharides, Inside Aloe, The International Aloe Science Council, Inc., Jan.
		1997.

Examiner Signature	Michelo 1. Alu	H	Date Considered	1/26/2005				
EXAMINER: in conforman	EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.							
In place of	U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Con	nplete if Known					

Form				
				Application/Number 10/797,344
INFO	RMATION D	ISCLC	SURE	March 10, 2004
STATEMENT BY APPLICANT				Applicant(s) McAnalley et al.
(use as many sheets as necessary)				1654-1665
				Examiner Name Unknown
SHEET	3	of	.3	Attorney Docket Number 23100.64

	OTHER PRIOR ART
Examineris	Client and the name of the fauthor (in CAP, IAU ELPIERS) stille of the lattice stille of the southerness date: page (S) avoiding a
Estinibals	No 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
\sim 10	Peng, S Y et al., Decreased mortality of Norman Murine Sarcoma in mice treated with the immunomodulator,
	Acemannan TM , Mol. Biother, Vol. 3 (1991), Pages 79-87. Petersen, M et al., Early Manifestation of the Carbohydrate-Deficient Glycoprotein Syndrome, J Pediatr, Vol.
. 1	122 (1993), pages 66-70.
	Pugh, N et al., Characterization of Aloeride, a New High-Molecular-Weight Polysaccharide from Aloe Vera with
	Potent Immunostimulatory Activity, J Agnc Food Chem, Vol. 49 (2001), pages 1030-1034.
	Qiu, Z et al., Modified Aloe barbadensis Polysaccharide with Immunoregulatory Activity, Planta Medica, Vol. 66 (2000), pages 152-156.
	Ramelow, G et al., Uptake of metallic ions from aqueous solution by dried lichen biomass, Microbios, Vol. 66 (1991), pages 95-105.
	Rest, R et al., Mannose Inhibits the Human Neutrophil Oxidative Burst, Journal of Leukocyte Biology, Vol. 43 (1988), pages 158-164.
	Ryan, D et al., GG167 (4-Guanidino-2,4-Dideoxy-2,3-Dehydro-N-Acetylneuraminic Acid) Is a Potent Inhibitor of Influenza Virus in Ferrets, Antimicrobial Agents and Chemotherapy (1995), pages 2583-2584.
	Sampaio, A et al., A Galactose-Specific Lectin from the Red Marine Alga Ptilota Filicina, Phytochemistry, Vol. 48, No. 5 (1998), pages 765-769.
	Sanchez, A et al., Role of sugars in human neutrophilic phagocytosis, Am J Clin Nutr, Vol. 26 (1973), pages 1180-1184.
	Scott, J, Extracellular matrix, supramolecular organisation and shape, J Anat, vol. 187 (1995), pages 259-269.
	Fucoidan Research – Author unknown, Date of publication, if any, unknown.
	Stone, K R, Glucosamine References, Arthritis & Glucasamine Resource Center (2004), pages 1-10.
	Teas, J, The Dietary Intake of Laminaria, a Brown Seaweed, and Breast Cancer Prevention, Nutrition and Cancer, Vol. 4, No. 3 (1983), pages 217-222.
	Theodosakis, J et al., The Arthritis Cure, St. Martin's Press, NY, pages 29-52; date of publication unknown.
	Tizard, I, Aloe-derived carbohydrates reduce inflammation by blocking nutrophil emigration mediated by certain beta2 integrins, Abstract for presentation at IASC Scientific Seminar, Texas A&M University, College Station, Texas; date of publication unknown.
	Tizard, I et al., The biological activities of mannans and related complex carbohydrates, Mol. Biother, Vol. 1, No. 6 (1989), pages 290-296.
	Varkl, A, Unusual modifications and variations of vertebrate oligosaccharides: are we missing the flowers for the trees? Glycobiology, Vol. 6, No. 7 (1996), pages 707-710.
	Vlietinck, A J et al., Plant-Derived Leading Compounds for Chemotherapy of Human Immunodeficiency Virus (HIV) Infection, Planta Medica, Vol. 64 (1998), pages 97-109.
	Womble, D et al., Enhancement of Allo-Responsiveness of Human Lymphocytes by Acemannan (CARRISYN™), Int. J Immunopharmac., Vol. 10, No. 8 (1988), pages 967-974.
	Womble, D et al., The Impact of Acemannan on the Generation and Function of Cytotoxic T-Lymphocytes, Immunopharmacology and Immunotoxicology, Vol. 14, Nos 1 and 2 (1992), pages 63-77.
	Zavoral, J et al., "The hypolipidemic effect of locust bean gum food products in familial hypercholesterolemic adults and children, Am J Clin Nutr, Vol. 38 (1983), pages 285-294.
·	About Konnyaku, Author unknown, Date of publication, if any, unknown.
3)	What's Glucomannan, Author unknown, Date of publication, if any, unknown.

Examiner Signature Date Considered 126/205				
	1	- Desabelo	Date	1/20/2005

	In place of PTO-1449 Form			F COMMERCE MARK OFFICE	·	Complete if Known
					Application Number 8	10/797,344
	E INFO	RMATION D	ISCLO	SURE	lalling leater to the	March 10, 2004
/ ⁰	STAT	EMENT BY			Applicant(s)	McAnalley et al.
/	a 2003	se as many sheets			An Unit and An Annual Property	1654 1065
cfP	[3]				Examiner Name	Michele Flood
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	SHEED	1	of	1	Attorney Docket Number	23100.64
MA	SHEED					

I		U. S. PATENT DOCUMENTS								
	Examiner si	*Cite*	Document/Number 15	Publication Date	Namejof/patentee/or/Applicanto/(Cited/Document) 12					
l	4931111100153525	EN "INO. 27 A			(1) は、 (1)					
Ì		_								
ļ										
ŀ										
ŀ										
ŀ	•									
l										
	, .									
ŀ										
ŀ										
L		L.,								

FOREIGN PATENT DOCUMENTS							
Examiners Initials	Cite:	Foreign Patent Fig. 2000 Foreign Patent Fig. 2000 Foreign Patent Fig. 2000 Foreign F	Publication Date	Patentee(or/Applicant/of/Cited)	A diffranslation ***		
Ly M		JP 10279487 A	10/1998	TAKASE et al.	Y (Abstract)		
		JP 10279496 A	10/1998	TOKUYAMA, TAKASHI	Y (Abstract)		
7		JP 59059624 A	4/1984	FUJIMURA et al.	Y (Abstract)		
				· · · · · · · · · · · · · · · · · · ·	L		

	OTHER PRIOR ART
Examiner's	Cite): Mindude name of the jauthor (in CAPITAL) LETTIERS) it the jarticle title of the item, date; page (s); volume in No.
m	Bradbury, A. G. W. et al., Colloque Scientifique International sur le Café, 1988, 12:265-269. Polysaccharides in green coffee beans.
	Communication from the U.S. Patent and Trademark Office dated December 16, 2004 regarding U.S. Patent Application No. 10/797,760, which is related to U.S. Application No. 10/797,344.
	Communication from the U.S. Patent and Trademark Office dated April 6, 2005 regarding U.S. Patent Application No. 10/797,760, which is related to U.S. Application No. 10/797,344.
	Communication from the U.S. Patent and Trademark Office dated May 5, 2005 regarding U.S. Patent Application No. 10/797,760, which is related to U.S. Application No. 10/797,344.
	Communication from the U.S. Patent and Trademark Office dated July 20, 2004 regarding U.S. Patent Application No. 10/294,121, which is related to U.S. Application No. 10/797,344.
	Communication from the U.S. Patent and Trademark Office dated December 15, 2004 regarding U.S. Patent Application No. 10/294,121, which is related to U.S. Application No. 10/797,344.
77	Communication from the U.S. Patent and Trademark Office dated August 25, 2005 regarding U.S. Patent Application No. 10/797,760, which is related to U.S. Application No. 10/797,344.

Examiner Signature	do C. Flood	Date Considered	9/26/2005

D-1358156_2.DOC Customer No. 000027683

		_				
In place of U. PTO-1449 P/	. S. DEPARTMENT OF COMM ATENT AND TRADEMARK O	MERCE	13		Complete if Known	
Form	ALENI AND IKADEMAAK O	FFICE				
<u> </u>			Application Numbers 10/797,344			
INFORMATION DISCLOSURE				四种结块	March 10, 2004	
	ENT BY APPLICAN		⁴ Applican		McAnalley et al.	
I	nany sheets as necessary)	•			1654	
1 9 2005 💆				r Name	Michele Flood	
SHEET #/	1 of	1		Dockel Number.	23100.64	·
6)			**************************************			
DEMARKS.		U.S.P	ATENT DO	CUMENTS		
Examiner SE LECITE	Document Number 48				atentee or Applican	tof Cited Document
alnitials No.	Document Number					
man	4,735,935		1988	McAnalley .		
	4,851,224		/1989	McAnalley		
	4,917,890		/1990	McAnalley		
	4,957,907		/1990	McAnalley		
	4,959,214		/1990	McAnalley McAnalley	·	
	4,966,892 5,106,616)/1990 /1992	McAnalley et al.		
- 	5,118,673		1992	Carpenter et al.		
	5,284,833		1994	McAnalley et al.		
	5,308,838		1994	McAnalley et al.		•
-	5,441,943		/1995	McAnalley et al.		
4	5,443,830		/1995	Moore et al.		
- *						
					*	
				DOCUMENTS		CONTROL TOTAL DESCRIPTION OF THE PARTY OF TH
Examiners Cite Antials & No.	Foreign Patents Document	PUDIICAL	DWW Z	Patentee Or A		ANIA MARIE STATE OF THE STATE O
Character Sense	Country Code = Number = Kind) Saids					
	 					
	+					
						<u>,</u>
		·				<u> </u>
			HER PRIC			
Examiners 37 Cite	include name of the author	or (in CAP	ITALLEIR	ERS) (title of the)	article; title of the lite	m (date page(s)) volume a
AMINITALISMO DE NO.		rissueinui	moer(s);;pi	Julisher#Criviconiii	ry,where;published;	
						
···-						
			-			
				······································		
Examiner	interpol	11	01	1	Date	9/3/